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**POWER OF ATTORNEY
OR
REVOCACTION OF POWER OF ATTORNEY
WITH A NEW POWER OF ATTORNEY
AND
CHANGE OF CORRESPONDENCE ADDRESS**

Application Number	Attached
Filing Date	
First Named Inventor	
Title	
Art Unit	
Examiner Name	
Attorney Docket Number	

I hereby revoke all previous powers of attorney given in the above-identified application.

A Power of Attorney is submitted herewith.

OR

I hereby appoint Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith:

73658

OR

I hereby appoint Practitioner(s) named below as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith:

Practitioner(s) Name	Registration Number

Please recognize or change the correspondence address for the above-identified application to:

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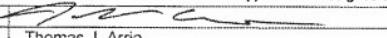
Applicant/Inventor.

OR

Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) (Form PTO/SB/96) submitted herewith or filed on _____.

SIGNATURE of Applicant or Assignee of Record

Signature		Date	5/24/12
Name	Thomas J. Arria	Telephone	781-219-8760
Title and Company	Sr. IP Specialist, Patenting		

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required. see below*

*Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

LIMITED POWER OF ATTORNEY

that we, the undersigned, under the authority granted to each of us to sign jointly on behalf of

NOKIA CORPORATION
Keilalahdentie 4
02150 Espoo
Finland

hereby authorize the following person

Thomas Arria
Nokia Corporation
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0112020-9, Helsinki

In his capacity as Senior IP Specialist, Patenting, to sign alone in the name of Nokia Corporation all the documents that relate to the filing, prosecution and registration of patent applications, as well as post-grant operations relating to patents granted based on such patent applications. Such documents may include without limitation Assignment Deeds for assigning the ownership of an invention to Nokia, Novelty Declarations and Inventorship Declarations.

The rights granted under this Power of Attorney may not be transferred further.

The authority granted by this Power of Attorney shall expire six (6) months from the date of execution.

Notwithstanding the foregoing, the authority granted by this Power of Attorney shall expire when the authorized person's employment with Nokia ends.

This Power of Attorney is duly signed on this day of January 1, 2012.

NOKIA CORPORATION

By: 
Name: Harri Honkasalo
Title: Director,
Legal and Intellectual Property

By: 
Name: Paul Melin
Title: Vice President,
Legal and Intellectual Property

Statement Under 37 C.F.R. 3.73(b)

Owner: **Nokia Corporation**

Application Nos.: **See Attached**

Nokia Corporation
(Type of Assignee)

a corporation
(Name of Assignee)

states that it is:

the assignee of the entire right, title and interest in:

the patent applications **identified on the attached list** by virtue of assignment(s) from the inventor(s) of the patent application(s).

The assignments were recorded in the United States Patent and Trademark Office on the Reel and Frame numbers listed on the attached list.

The undersigned is authorized to act on behalf of the assignee.

Signature: 

Date: 5/24/12

Name: Thomas J. Arria

Registration No.: 60,223

Title: Sr. IP Specialist, Patenting

Application No.:	Filing Date	Confirmation No.:	Assignment: Reel/Frame
09 692794 (Pat. No. 6731939)	10/20/2000	6380	011270/0210
09/474215 (Pat. No. 6741658)	12/29/1999	2004	010894/0417
09 432390 (Pat. No. 6744924)	11/02/1999	9976	017389/0597
09/482857 (Pat. No. 6747968)	01/14/2000	7599	010741/0676
09/916697 (Pat. No. 6775533)	07/27/2001	9273	012190/0802
09/752425 (Pat. No. 6823186)	12/28/2000	9882	011679/0009
09/733097 (Pat. No. 6829288)	12/11/2000	3505	011758/0347
09/987987 (Pat. No. 6835923)	11/16/2001	7991	012542/0749
09 613952 (Pat. No. 6842605)	07/11/2000	1944	011288/0189
10/334045 (Pat. No. 6842632)	12/30/2002	2253	013967/0756
10/085941 (Pat. No. 6901115)	02/28/2002	4377	012657/0316
10/157161 (Pat. No. 6909434)	05/30/2002	8549	012953/0452
09/369221 (Pat. No. 6914890)	08/05/1999	6499	010507/0347
10/152882 (Pat. No. 6937605)	05/21/2002	6909	013180/0492
10/260170 (Pat. No. 6940828)	09/30/2002	8284	014016/0817
10/600993 (Pat. No. 6947449)	06/20/2003	5801	017230/0956
10/331181 (Pat. No. 6957074)	12/26/2002	1758	014009/0333
10/096925 (Pat. No. 6957292)	03/14/2002	8318	012871/0237
10/856206 (Pat. No. 6964107)	05/27/2004	2468	015800/0748
09/855640 (Pat. No. 6968005)	05/15/2001	1733	012080/0101
10/260070 (Pat. No. 6987952)	09/30/2002	6228	014291/0905
09/870260 (Pat. No. 6999472)	05/30/2001	7400	012094/0476
09/558974 (Pat. No. 7006447)	04/27/2000	1855	017389/0597
09 619660 (Pat. No. 7006576)	07/19/2000	2158	017389/0597
10.331172 (Pat. No. 7016657)	12/27/2002	1790	013369/0569